Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/11/2021 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123908	-1	1.19	123763	1.19
Blue	F	SSC	125000	121359	-3	2.30	121639	2.14
Blue	E	FITC	13131	12628	-4	2.24	290	15.34
Blue	D	PE	24112	23592	-3	1.62	541	10.59
Blue	B	PerCP-Cy5-5	31295	30468	-3	2.96	1004	14.59
Blue	A	PE-Cy7	19939	19681	-2	5.16	530	28.45
Red	C	APC	42122	41083	-3	3.08	1723	11.46
Red	A	APC-Cy7	22340	21861	-3	3.39	817	11.97
Violet	B	V450	7410	6962	-7	3.75	420	12.69
Violet	A	V500	28118	26814	-5	3.32	667	10.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23017	1.28	565	-4	N/A	N/A	Pass
Blue	F	SSC	56785	1.13	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	-3	0.0452	157	Pass
Blue	D	PE	113	37.53	487	-1	0.4664	369	Pass
Blue	B	PerCP-Cy5-5	187	36.22	583	-3	0.0198	78	Pass
Blue	A	PE-Cy7	106	68.12	626	-2	0.0232	8	Pass
Red	C	APC	397	24.18	580	4	0.0277	188	Pass
Red	A	APC-Cy7	183	28.66	556	5	0.0060	1300	Pass
Violet	B	V450	59	63.91	460	7	0.0616	2342	Pass
Violet	A	V500	97	35.89	472	7	0.0260	1110	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.65	-31.45	1.03
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.17	13.60 - 20.40	N/A	N/A	29.96	30.07	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9625

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments